

## IN THE CLAIMS

Before calculation of the filing fee, please amend and/or cancel the claim(s) of the captioned application, and/or add claim(s) to the captioned application, in accordance with the following annotations and/or mark-ups showing all change(s) relative to the previous version(s) of the claim(s) as required by 37 C.F.R. 1.121:

1. (Original) A method of hardfacing a workpiece comprising the steps of:

depositing a hardfacing material on a workpiece at a temperature high enough to create a molten puddle of the hardfacing material on the workpiece, and

introducing hardening pellets into the molten puddle on the workpiece while moving the workpiece, the hardening pellets being introduced into the molten puddle from a location remote from the point at which the hardfacing material is deposited on the workpiece, either the spacing between the point at which the hardfacing material is deposited onto the workpiece or the rate of movement of the workpiece being adjusted so that the hardfacing material remains molten until the hardfacing material is introduced into the molten puddle of hardfacing material.

2. (Original) The method of claim 1 wherein the pellets are introduced into the molten puddle by injection.

3. (Currently amended) The method of ~~either claims 1 or 2~~ claim 1 wherein the pellets are cooled before being introduced into the molten puddle.

4. (Currently amended) The method of ~~either claims 1 or 2~~ claim 1 wherein the pellets are comprised of a material selected from the group consisting of steel, tungsten, chrome carbide, tungsten carbide, and ceramic tungsten.

5. (Original) The method of claim 1 wherein the pellets are comprised of tungsten that melts at a temperature greater than about 1800°F.

6. (Original) The method of claim 1 wherein the pellets are comprised of an amorphous material.

7. (Original) The method of claim 1 additionally comprising introducing pellets into the molten puddle at a second location remote from the point at which the hardfacing material is deposited on the workpiece.

8. (Original) The method of claim 7 wherein the pellets introduced into the molten puddle at a second location are of different size, shape, or composition than the pellets introduced into the molten puddle at the first location.

9. (Currently amended) A hardfaced workpiece produced by the process of ~~any of~~  
the preceding claims claim 1.

10. (Original) Apparatus for hardfacing a workpiece comprising:  
means for moving a workpiece to be hardfaced;  
a deposition head positioned relative to the workpiece for depositing a  
molten pool of hardfacing material on the workpiece; and  
a pellet metering device positioned remote from said deposition head for  
introducing hardening pellets into the molten pool of hardfacing material as the  
workpiece is moved.

11. (Original) The apparatus of claim 10 wherein said workpiece moving means  
moves the workpiece at a controlled rate, the rate of movement being selected to insure that  
the pellets penetrate down into the molten pool of hardfacing material.

12. (Currently amended) The apparatus of ~~either of claims 10 or 11~~ claim 10  
~~10~~ additionally comprising means for changing the position of said deposition head, said  
pellet metering device, or both said deposition head and said pellet metering device, relative  
to the workpiece, relative to each other, or both relative to the workpiece and each other.

13. (Currently amended) The apparatus of ~~any of claims 10—12~~ claim 10  
additionally comprising means for injecting the pellets into the molten pool of hardfacing  
material.

14. (Currently amended) The apparatus of ~~any of claims 10—13~~ claim 10  
additionally comprising means for cooling the pellets.

15. (Currently amended) The apparatus of ~~any of claims 10—13~~ claim 10  
additionally comprising means for controlling the rate, volume, or rate and volume of  
pellets introduced into the molten pool.

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